



KANWAL RAJ RAHI

"WEB & APP DEVELOPER | AUTOMATION ENGINEER | ROBOTICS ENGINEER | MECHANICAL ENGINEER | MANUFACTURING & PRODUCTION ENGINEER"

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[Kanwal Raj Rahi](#)

SUMMARY

A highly motivated engineer with a Master's degree in Robotics and Automation Engineering and hands-on experience in data-driven automation and AI applications. Proficient in programming, machine learning, and IoT systems, with a passion for leveraging data science to innovate and transform the automotive and technology sectors.

Software Proficiency

Programming Languages:

HTML
HTML5
CSS
CSS3
Bootstrap
Tailwind.
JavaScript
TypeScript
React.js
Node.js
Express.js
Rest API
Web Sockets
MongoDB
Next.js
JSON
Python
MATLAB
Shell

EDUCATION

M.Tech in Robotics and Automation Engineering	Aug '22 - Jul '24
University School of Information and Communication Technology (USICT), DELHI	
CGPA 7.9	
B.Tech in Mechanical and Automation Engineering	May '10 - May '13
G.B. Pant Government Engineering College, DELHI	
CGPA 7.54	
DELHI'S BEST GOVERNMENT COLLEGE	
Diploma in Tool and Die Making	Jun '05 - Jun '09
Tool Room and Training Centre, DELHI	
percentage :- 63.33	
BEST INSTITUTE OF INDIA IN THIS FIELD	

PROFESSIONAL EXPERIENCE

PRODUCTION PLANNING CONTROL ENGINEER	Jun '13 - Jul '19
VONKO ENTERPRISES DELHI	
<i>Responsibilities</i>	
<ul style="list-style-type: none">Assembling electrical and electronic lighting systems, ensuring adherence to quality standards and timely deliveryCoordinated production schedules, optimizing resource allocation to meet project deadlines.	
TOOL ROOM ENGINEER	Jul '09 - Sep '09
TRACTEL TIRFOR INDIA PVT.LTD. HARYANA	
Selected at college campus interview	
<i>Responsibilities</i>	
<ul style="list-style-type: none">Managed the maintenance and repair of press tools and dies, ensuring operational efficiency and minimizing production interruptions.Designed and developed molds, contributing to the production of high-quality components.	

GATE (Graduate Aptitude Test in Engineering) – Qualified

- Data Science and Artificial Intelligence
- Mechanical Engineering
- Production Engineering

CERTIFICATIONS / TRAININGS

- Full Stack Web Development – TechAltum (2024-2025)
- Data Structures and Algorithms – GeeksforGeeks (2024)
- Data Science - IIT DELHI (2024)
- Hands-on Training on DRONE DESIGN– GGSIPU, New Delhi (2024)
- Industrial Practical Training on 3D Printing & Prototyping - GGSIPU, New Delhi (2024)
- Industrial Practical Training on 3D Printing – IIT (BHU), Varanasi (2023)
- Hands-on Training on Embedded System & Internet of Things (IoT) – GGSIPU Innovation & Incubation Centre (2023)
- Hands-on Training on MATLAB - GGSIPU Innovation & Incubation Centre (2023)
- Workshop on Intellectual Property Right : issues and challenges - GGSIPU Innovation & Incubation Centre (2023)
- Industrial Practical Training – Central Workshop, Delhi Transport Corporation (DTC) (2011)

TECHNICAL SKILLS

- Database Management

Bash

Google Drive

Hosting & Deployment: Deep understanding of VPS Hosting and Cloud Hosting platforms.

Data Science & AI: Machine Learning, Artificial Intelligence (AI), Internet of Things (IoT), Data Analytics

Automation & Robotics: ROS, RoboAnalyzer, RT Toolbox3, Mechatronics, Industrial Robotics

Design & Engineering Tools: AutoCAD, SolidWorks, Fusion 360, Arduino IDE

STRENGTHS

Highly Reliable and Dedicated Professional

Quick Learner with Strong

Analytical Abilities

Creative Problem-Solver with an Innovative Mindset

Adaptable to New Challenges and Emerging Technologies

LANGUAGES

HINDI,
ENGLISH

HOBBIES

"Playing Cricket,,
Volleyball, Badminton, and
Chess.",

- Artificial Intelligence & Machine Learning
- Mechatronics
- Mobile & Industrial Robotics
- Sensors & Automation for Industrial Applications
- Artificial Intelligence in Automation
- Internet of Things (IoT)
- Electrical & Electronics Engineering
- Computer-Aided Manufacturing (CAM)
- Manufacturing Engineering
- Sheet Metal Work & Casting
- Material Science & Strength of Materials
- Theory of Machines
- Reverse & Value Engineering
- Conventional & Non-Conventional Machining
- Conventional & Non-Conventional Testing
- Fluid Mechanics & Fluid Machinery
- Thermodynamics & Internal Combustion Engines (I.C. Engines)

PROJECTS

AI-Driven Robotics Systems: Developed algorithms to automate industrial robot operations using machine learning techniques.

"Recently Completed Website Projects"

"I recently developed the following websites:

DeepThinkWorld.com, BuyWebApps.com, KanwalRajRahi.com" "Blog App" "Event Planner" "Expense Tracker" "Inventory Management System" "E-Commerce Shopping Cart" "Job Application Tracker" "Social Media App" "Task Manager To-Do List with Categories" "Quiz App with Timer" "Calculator" "Personal Information" "ourMeghalaya.com" "ourWestbengal.com" "ourUttarPradesh.com" "ourTamilNadu.com" "ourJammuAndKashmir.com"

Feb '25 - Mar '25

| DELHI

Prompt Design and Engineering with AI Tools

AI Assistants & Prompt Platforms:

ChatGPT, Gemini, DeepSeek, Genspark AI, qwen.ai

Code Generation & Developer Productivity:

Cursor, Windsurf, Codeium, GitHub Copilot, Trae Copilot, FireBase Studio

Visual Content Creation:

DALL-E